



1753
PATENT APPLICATION

CERTIFICATE OF MAILING/FACSIMILE TRANSMISSION/EFS-WEB (37 CFR 1.8)

I hereby certify that this paper (along with any paper referred to as being transmitted therewith) is (XXX) being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box. 1450, Alexandria, Virginia 22313-1450, or () being transmitted by facsimile to the U.S. Patent and Trademark Office. (Fax No. 571 273 8300) (___ pages), the facsimile is being sent from (908) 429-3650, or () being submitted via EFS-Web under Private PAIR .

Maria T. Sanchez
(Print Name)

Date: October 30, 2007

Maria T. Sanchez
(Signature)

DOCKET NO. 2002JP309

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Yasushi AKIYAMA et al.

Serial No. 10/518,105

Art Unit: 1753

Filed December 10, 2004

Examiner: THOMPSON-RUMMEL, Ponder N.

For: PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION
FOR USE IN THE SAME

**INFORMATION DISCLOSURE STATEMENT FILED AFTER THE FIRST OFFICE
ACTION BUT BEFORE A FINAL OFFICE ACTION OR NOTICE OF APPEAL (37 CFR
1.97 (c))**

October 30, 2007

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

11/06/2007 CNEAL 00000002 503309 10518105
01 FC:1806 100.00 DA

Serial No.: 10/518,105
Filed December 10, 2004

Dear Sir:

1. IDENTIFICATION OF TIME OF FILING INFORMATION DISCLOSURE
STATEMENT

This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance. The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 50-3309.

2. PRELIMINARY STATEMENTS

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Pursuant to the notice in the Official Gazette notice of 5 August 2003, 1276 O.G. 55, copies of US Patents and/or US Patent Publications are not being enclosed as the present application has a filing date or entered the National Stage under 35 U.S.C. § 371 after June 30, 2003.

3. COMPLETED FORM PTO-1449 IS ATTACHED.

4. RELATED CASE

This application is related to Serial No. 10/311,787, now United States Patent No. 7195863.

5. COPIES OF LISTED INFORMATION ITEMS ACCOMPANYING THIS
STATEMENT

JP 7-140668 A
JP 8-15859 A
JP 8-95253 A
JP 2000-275835 A
JP 2001-23893 A

Serial No.: 10/518,105
Filed December 10, 2004

English Language Abstract of JP 7-140668 A
English Language Abstract of JP 8-15859 A
English Language Abstract of JP 2000-275835 A

Machine Language English Translation from JPO of JP 5-326389 A
Machine Language English Translation from JPO of JP 8-15859 A
Machine Language English Translation from JPO of JP 2000-10294 A
Machine Language English Translation from JPO of JP 2001-133984 A

International Search Report (Form PCT/ISA/210) for PCT/JP01/05072 (PCT of US 10/311,787)

Ito, Hiroshi, et al., "Chemical amplification in the design of dry developing resist materials", Polymer Engineering and Science, 1983, Vol. 23, No. 18, pp. 1012 – pp. 1018

Feely, Wayne E., "The role of the latent image in a new dual image aqueous developable, thermally stable photoresist", Polymer Engineering and Science, Mid-September, 1986, Vol. 26, No. 16, pp. 1101 – pp. 1104

Legible copies of all items listed accompany this information statement except as noted herein.

[] Items in prior application from which an earlier filing date is claimed for this application as identified in No. 4 above.

6. TRANSLATION(S) OF NON-ENGLISH LANGUAGE DOCUMENTS

[X] Submitted herewith is an English language abstract of the following foreign language patents, publications or information or of those portions of those patents, publications or information considered to be material:

English Language Abstract of JP 7-140668 A
English Language Abstract of JP 8-15859 A
English Language Abstract of JP 2000-275835 A

[X] No English language translations of the foreign language patents, publications or information or parts thereof are readily available, except those listed above.

[X] The following foreign language documents submitted are believed to be the equivalent or substantial equivalent of the English language documents identified below, which are also submitted herewith:

Serial No.: 10/518,105
Filed December 10, 2004

US 5,529,888 is equivalent to JP 8-95253 A
US 6,472,127 B1 is equivalent of JP 2001-23893 A

8. IDENTIFICATION OF PERSON(S) MAKING THIS INFORMATION
DISCLOSURE STATEMENT

The person making this statement is the attorney who signs below on the basis of the information in the attorney's file.

Respectfully submitted:



Attorney for Applicant(s)
Alan P. Kass
(Reg. No. 32142)
70 Meister Avenue
Somerville, New Jersey 08876
Telephone: (908) 595-3890
Telefax: (908) 429-3650

Customer No. 26,289

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)			Docket No.	
Applicant(s): Yasushi AKIYAMA et al.			2002JP309	
Serial No.	NOV 0 1 2007	Filing Date	Examiner	Group Art Unit
10/518,1		December 10, 2004	THOMPSON-RUMMEL, Ponder N.	1753
Invention: PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION FOR USE IN THE SAME				
<p>I hereby certify that this <u>Form 1449 - 2 Pages</u> <i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on <u>October 30, 2007</u> <i>(Date)</i></p> <p><u>MARIA T. SANCHEZ</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i></p> <p><u><i>Maria T. Sanchez</i></u> <i>(Signature of Person Mailing Correspondence)</i></p> <p>Note: Each paper must have its own certificate of mailing.</p>				

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

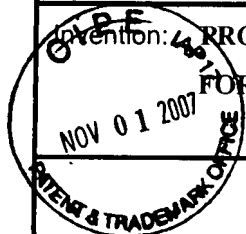
Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Prevention: **PROCESSES FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**
FOR USE IN THE SAME

I hereby certify that this JP 7-140668 A - 6 Pages*(Identify type of correspondence)*

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007*(Date)*MARIA T. SANCHEZ*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

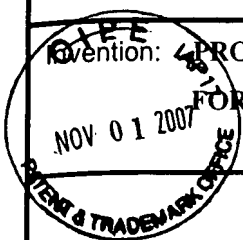
Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Attention: **PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**
FOR USE IN THE SAME



I hereby certify that this

Feely, Wayne E., "The role of the latent image in a new dual image aqueous developable, thermally stable photoresist", Polymer Engineering and Science, Mid-September, 1986, Vol. 26, No. 16, pp. 1101 – pp. 1104 - 4 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Invention: PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION

NOV 01 2007 FOR USE IN THE SAME

Ito, Hiroshi, et al., "Chemical amplification in the design of dry developing resist materials",
Polymer Engineering and Science, 1983, Vol. 23, No. 18, pp. 1012 – pp. 1018 - 7 Pages

I hereby certify that this

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

INVENTION: PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION
FOR USE IN THE SAME

International Search Report (Form PCT/ISA/210) for PCT/JP01/05072
(PCT of US 10/311,787) - 2 Pages

I hereby certify that this

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

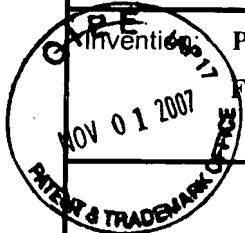
December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753



Invention: **PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**
FOR USE IN THE SAME

I hereby certify that this Machine Language English Translation from JPO of JP 2001-133984 A - 15 Pages
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The
Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on October 30, 2007
(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

A handwritten signature in cursive script, appearing to read "Maria T. Sanchez".

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)Applicant(s): **Yasushi AKIYAMA et al.**

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

PROCESSES FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION
FOR USE IN THE SAME

I hereby certify that this **Machine Language English Translation from JPO of JP 2000-10294 A - 13 Pages**
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on **October 30, 2007**
(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)]

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

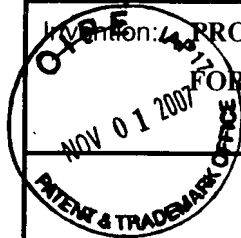
THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Invention: **PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**

FOR USE IN THE SAME

I hereby certify that this Machine Language English Translation from JPO of JP 8-159859 A - 15 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

A handwritten signature in cursive script, appearing to read "Maria T. Sanchez".

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

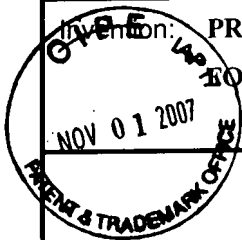
Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Invention: **PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**
FOR USE IN THE SAME



I hereby certify that this Machine Language English Translation from JPO of JP 5-326389 A - 6 Pages
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The
Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on October 30, 2007
(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION

FOR USE IN THE SAME

NOV 01 2007

PATENT & TRADEMARK OFFICE

I hereby certify that this English Language Abstract of JP 2000-275835 A - 1 Page

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Invention:

PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION

FOR USE IN THE SAME

I hereby certify that this English Language Abstract of JP 8-159859 A - 2 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Patent & Trademark Office
NOV 01 2007
Invention: PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION
FOR USE IN THE SAME

I hereby certify that this English Language Abstract of JP 7-140668 A - 1 Page

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

Maria T. Sanchez
(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

Examiner

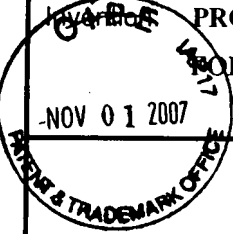
THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION
FOR USE IN THE SAME

-NOV 01 2007

I hereby certify that this JP 2001-23893 A - 11 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

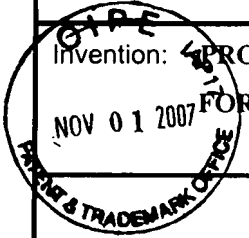
Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Invention: **PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**
FOR USE IN THE SAME

I hereby certify that this JP 2000-275835 A - 9 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)


(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

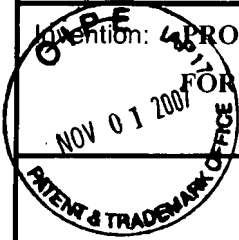
Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

Invention: **PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION**
FOR USE IN THE SAME

I hereby certify that this JP 8-15859 A - 13 Pages*(Identify type of correspondence)*

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The

Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on

October 30, 2007*(Date)*MARIA T. SANCHEZ*(Typed or Printed Name of Person Mailing Correspondence)*
*(Signature of Person Mailing Correspondence)***Note: Each paper must have its own certificate of mailing.**

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): Yasushi AKIYAMA et al.

Docket No.

2002JP309

Serial No.

10/518,105

Filing Date

December 10, 2004

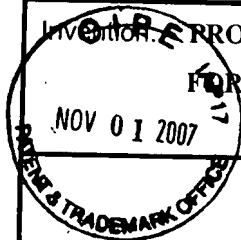
Examiner

THOMPSON-RUMMEL, Ponder N.

Group Art Unit

1753

INVENTION PROCESS FOR PREVENTING DEVELOPMENT DEFECT AND COMPOSITION
FOR USE IN THE SAME

I hereby certify that this JP 8-95253 A - 7 Pages

(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The
Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001 on October 30, 2007

(Date)

MARIA T. SANCHEZ

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

Note: Each paper must have its own certificate of mailing.